

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, May 01, 2013 1:07 PM
To: Parsons, Scott;Chavira, Raymond;Tom Perina
(tom.perina@ch2m.com);Kerang.Sun@CH2M.com
Subject: PVOU Call

Use this call-in information instead of Scotts

1-866-657-9737
3545373#

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, May 01, 2013 1:08 PM
To: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina (tom.perina@ch2m.com);Kerang.Sun@CH2M.com
Subject: RE: PVOU Call

On our way

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Wednesday, May 01, 2013 1:07 PM
To: Parsons, Scott; Chavira, Raymond; Tom Perina (tom.perina@ch2m.com); Kerang.Sun@CH2M.com
Subject: PVOU Call

Use this call-in information instead of Scotts

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United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Kerang.Sun@CH2M.com
Sent: Wednesday, May 01, 2013 1:31 PM
To: Tom.Perina@CH2M.com;Chavira,
Raymond;Scott.Parsons@tetrattech.com;bradley.barquest@utc.com;Don.Lee@tetrattech.
com
Subject: SZ plume map with markpus for today's discussion

Please see the attached for a map with markups for the proposed additional drilling locations...

Thanks

Kerang

Kerang Sun, Ph. D., P. G.
Project Consultant
Environmental Services
CH2M HILL
6 Hutton Centre Drive, Suite 700
Santa Ana, CA 92707
Direct 714.435.6324
Fax 714.424.2238
www.ch2mhill.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, May 16, 2013 5:15 PM
To: Lee, Don
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Tom Perina (tom.perina@ch2m.com); Pulido, Emma; Kerang.Sun@CH2M.com
Subject: RE: PVOU SZ groundwater investigation work plan

Don,

Thanks for the on time submittal. We will try to provide initial comments by next Wed afternoon so that TT can plan field work as soon as possible. Please set up a call number anytime from 2 -5 PM would work

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Thursday, May 16, 2013 3:43 PM
To: Chavira, Raymond
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Tom Perina (tom.perina@ch2m.com); Pulido, Emma
Subject: PVOU SZ groundwater investigation work plan

Ray,

Please find attached groundwater investigation work plan for PVOU SZ for your concurrence. A hardcopy and CD to follow.

Please call Scott or me if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com
Complex World, Clear Solutions™

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Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, May 16, 2013 5:28 PM
To: Lee, Don
Subject: RE: PVOU SZ groundwater investigation work plan

Thanks, Don

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Thursday, May 16, 2013 5:16 PM
To: Chavira, Raymond
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Tom Perina (tom.perina@ch2m.com); Pulido, Emma; Kerang.Sun@CH2M.com
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Chavira, Raymond

Subject: PVOU SZ groundwater investigation work plan
Location: Live Meeting

Start: Thu 5/30/2013 9:30 AM
End: Thu 5/30/2013 10:30 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Pulido, Emma

AUDIO INFORMATION

Telephone Conferencing

Choose one of the following:

- Start the Office Live Meeting client, and then in the Voice & Video pane, click Join Conference. The conferencing service will call you at the number you specify. (Recommended)
- Dial the conferencing service directly, and enter the participant code shown below:

Toll-free: +1-8666925721
Toll: +1-5174449940
Participant Code: 6907065

Leader Code: 2943064

FIRST-TIME USERS

To save time before the meeting, [check your system](#) to make sure it is ready to use Office Live Meeting.

TROUBLESHOOTING

Unable to join the meeting? Follow these steps:

1. Copy this address and paste into your web browser:
<https://www.livemeeting.com/cc/tetrattech/join>
2. Copy and paste the required information:
Location: <https://www.livemeeting.com/cc/tetrattech>

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NOTICE

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-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-

EMMA PULIDO has invited you to attend an online meeting using Microsoft® Office Live Meeting service.

[Join the meeting](#)

AUDIO INFORMATION

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1. Copy this address and paste into your web browser:
<https://www.livemeeting.com/cc/tetratech/join>
2. Copy and paste the required information:
Meeting ID: FR557W
Location: <https://www.livemeeting.com/cc/tetratech>

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, May 28, 2013 5:23 AM
To: Parsons, Scott; Pulido, Emma; Lee, Don; Chavira, Raymond; tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: RE: PVOU SZ groundwater investigation work plan

That time works for me

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Monday, May 27, 2013 9:42 AM
To: Pulido, Emma; Lee, Don; Chavira.Raymond@epa.gov; Barquest, Bradley A UTCHQ; tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: [External] RE: PVOU SZ groundwater investigation work plan

I was just reminded by my wife that my son's high school graduation ceremony is Thursday afternoon. Can we reschedule for 9:30 Thursday morning (same day, different time)?

-----Original Appointment-----

From: Pulido, Emma
Sent: Wednesday, May 22, 2013 4:47 PM
To: Pulido, Emma; Lee, Don; Parsons, Scott; Chavira.Raymond@epa.gov; Bradley A Barquest (bradley.barquest@utc.com); tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: PVOU SZ groundwater investigation work plan
When: Thursday, May 30, 2013 3:30 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Live Meeting

AUDIO INFORMATION

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Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, May 28, 2013 7:46 AM
To: Barquest, Bradley A UTCHQ;Parsons, Scott;Pulido, Emma;Chavira, Raymond;tom.perina@ch2m.com;Kerang.Sun@CH2M.com
Subject: RE: PVOU SZ groundwater investigation work plan

That time works for me too.

Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Perina, Tom/RIV
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Sent: Tuesday, May 28, 2013 7:46 AM
To: Barquest, Bradley A UTCHQ; Parsons, Scott; Pulido, Emma; Chavira.Raymond@epa.gov; Perina, Tom/RIV; Sun, Kerang/SCO
Subject: RE: PVOU SZ groundwater investigation work plan

That time works for me too.

Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com
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From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, May 28, 2013 5:23 AM
To: Parsons, Scott; Pulido, Emma; Lee, Don; Chavira.Raymond@epa.gov; tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: RE: PVOU SZ groundwater investigation work plan

That time works for me

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Monday, May 27, 2013 9:42 AM
To: Pulido, Emma; Lee, Don; Chavira.Raymond@epa.gov; Barquest, Bradley A UTCHQ; tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: [External] RE: PVOU SZ groundwater investigation work plan

I was just reminded by my wife that my son's high school graduation ceremony is Thursday afternoon. Can we reschedule for 9:30 Thursday morning (same day, different time)?

-----Original Appointment-----

From: Pulido, Emma
Sent: Wednesday, May 22, 2013 4:47 PM
To: Pulido, Emma; Lee, Don; Parsons, Scott; Chavira.Raymond@epa.gov; Bradley A Barquest (bradley.barquest@utc.com); tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: PVOU SZ groundwater investigation work plan
When: Thursday, May 30, 2013 3:30 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Live Meeting

AUDIO INFORMATION

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- Dial the conferencing service directly, and enter the participant code shown below:
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Participant Code: 6907065
Leader Code: 2943064

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Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, May 28, 2013 9:06 AM
To: Kerang.Sun@CH2M.com; Tom.Perina@CH2M.com; Don.Lee@tetrattech.com; Bradley.Barquest@utc.com; Scott.Parsons@tetrattech.com; Emma.Pulido@tetrattech.com
Subject: RE: PVOU SZ groundwater investigation work plan

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From: Kerang.Sun@CH2M.com [mailto:Kerang.Sun@CH2M.com]
Sent: Tuesday, May 28, 2013 9:01 AM
To: Tom.Perina@CH2M.com; Don.Lee@tetrattech.com; Bradley.Barquest@utc.com; Scott.Parsons@tetrattech.com; Emma.Pulido@tetrattech.com; Chavira, Raymond
Subject: RE: PVOU SZ groundwater investigation work plan

Works for me too.

Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Perina, Tom/RIV
Sent: Tuesday, May 28, 2013 9:01 AM
To: Lee, Don; Barquest, Bradley A UTCHQ; Parsons, Scott; Pulido, Emma; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
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Don

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Sent: Wednesday, May 22, 2013 4:47 PM
To: Pulido, Emma; Lee, Don; Parsons, Scott; Chavira.Raymond@epa.gov; Bradley A Barquest (bradley.barquest@utc.com); tom.perina@ch2m.com; Kerang.Sun@CH2M.com
Subject: PVOU SZ groundwater investigation work plan
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2. Copy and paste the required information:
Meeting ID: FR557W
Location: <https://www.livemeeting.com/cc/tetrtech>

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Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, May 28, 2013 9:08 AM
To: Chavira,
Raymond;Kerang.Sun@CH2M.com;Tom.Perina@CH2M.com;Bradley.Barquest@utc.com
;Parsons, Scott;Pulido, Emma
Subject: RE: PVOU SZ groundwater investigation work plan

Emma,

Teleconference call was reschedule for 9:30am, Thursday, May 30. Please send out invite to everyone.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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Sent: Tuesday, May 28, 2013 9:01 AM
To: Tom.Perina@CH2M.com; Don.Lee@tetrattech.com; Bradley.Barquest@utc.com; Scott.Parsons@tetrattech.com; Emma.Pulido@tetrattech.com; Chavira, Raymond
Subject: RE: PVOU SZ groundwater investigation work plan

Works for me too.

Kerang Sun, Ph.D., P.G.
CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

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Subject: RE: PVOU SZ groundwater investigation work plan

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Don

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Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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United Technologies Corporation

Telephone 763-432-5695

e-fax 860-622-0566

bradley.barquest@utc.com

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Subject: PVOU SZ groundwater investigation work plan

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Location: <https://www.livemeeting.com/cc/tetrattech>

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Chavira, Raymond

Subject: PVOU SZ groundwater investigation work plan
Location: Live Meeting

Start: Thu 5/30/2013 9:30 AM
End: Thu 5/30/2013 10:30 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Pulido, Emma

AUDIO INFORMATION

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Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, May 28, 2013 2:58 PM
To: Richard
Lewis;ZychMA@CDMSmith.com;Bradley.Barquest@utc.com;Scott.Parsons@tetrattech.com
Cc: Kelley, Karen;Chamberlin, David;Don.Lee@tetrattech.com;Tom Perina
(tom.perina@ch2m.com);Kerang.Sun@CH2M.com;John Dolegowski
Subject: For Your Review - Proposed Plan for PVOU Well Nomenclature

All,

Below please find our suggestive well nomenclature for PVOU wells. We look forward to any comments/edits or suggestions.

Briefly, we describe how were the previously installed wells were named. Generally, PVOU wells were installed during different phases of the site investigation(s) and were named mostly without regard to wells installed in other phases, i.e., there was not an uniform naming system for the PVOU wells. However, we did find that some of the nomenclatures were carried into the next investigation phase, specifically, the MW6-xx series.

Current Status and History of Well Nomenclature :

1. MW01 through MW18 (including a few well IDs with “S” of “D” to indicate whether it’s a water table well or not at the time they were installed, e.g., MW01A/MW01B, MW16S/MW16D, MW17S/MW17D, and MW18S/MW18D). These are all shallow zone wells and they were installed in the very beginning phase of the site investigation.
2. MW6-1 (9 ports), MW6-2 (2 screens), MW6-3 (7 screens), MW6-4 (6 screens), MW6-5 (6 screens), MW6-6 (6 screens), MW6-7 (1 screen) and MW6-8 (2 screens). These are multiple-port (MW6-1) or well clusters installed by EPA in 1991 (MW6-1 and MW6-2) and the Puente Valley Steering Committee (PVSC) (MW6-3 through MW6-8) during the RI/FS phase in 1994 to 1995. MW6-1 wells are often cited as MW6-1-1 through MW6-1-9 , MW6-2 as MW6-2A and MW6-2B, MW6-3 as MW6-31 through MW6-37, and MW6-4 as MW6-41 through MW6-46, and MW6-5 through MW6-8 are cited similar to MW6-3 and MW6-4. These names (MW6-35 etc.) may be confused with the names of the newly installed wells if we continue with the current nomenclature CDM is using (details provided below).
3. MW6-9 through MW6-19. These are SHALLOW zone single screen monitoring wells CH2M installed on behalf of EPA during the pre-design investigation (2002 through 2003). It appears that the nomenclature continued from the well cluster MW6-3 through MW6-8, although they are not clusters and have only one screen.
4. MW6-9i, MW6-10i/MW6-10d, MW6-12i, MW6-13i, MW6-16i and MW6-17i. These are Intermediate zone single (except MW6-10i /MW6-10d) monitoring wells CDM installed on behalf of NG during the pre-design investigation (2002 through 2003). It appears also that the nomenclature continued from the well cluster MW6-3 through MW6-8, but with an “i” or “d” at the end to differentiate them form the shallow zone wells.
5. MP21 (6 ports) and MP20 (5 ports). Westbay wells installed by NG (MP21) and other PRPs (MP20) in 2003.
6. MW6-20A/MW6-20B installed by UTC post 2006 as part of the westernmost plume monitoring network; MW-D1 and MW-D2 installed by UTC after 2006 as part of the mid-valley monitoring program.

7. SW-04, SW-05, VCW-01, VCW-02, VCW-03, VCW-07 and VCW-09 installed by UTC after 2007 as part of the SZ compliance & sentinel monitoring network.
8. MW6-21. The SZ single monitoring well was installed by Tetra Tech as a new compliance well. This well was named following the westernmost plume wells MW6-20A/MW6-20B.
9. W1 through W25, PZ-1 through PZ-7, and Z4-1 through Z4-5. These are the monitoring well belonging to the Benchmark facility (which is SZS).
10. SZ extraction wells S02A through S11A; IZ extraction wells MZ-1 through MZ-3, IZ-1, IZ-2 and IZ-EAST; Benchmark extraction wells EW1 through EW4.
11. The monitoring/investigation wells which are currently being installed in the SZ, IZ and SZS. CDM continued the nomenclature with MW6-xx, which could lead to confusion once a few more wells are installed and the names MW6-3x are used – confused with the previous MW6-3 well cluster (MW6-31 through MW6-37). In addition, we are currently making interim decisions on the HSU designation (specifically UIZ vs. LIZ) as we obtain data, these HSU assignments may change in the future after all the collected data are examined as a whole. So, we prefer avoiding naming a well with an interim HSU designation at this point.

Giving the above, we suggest the following changes:

- A. Start a new series MW7-x-x (e.g., MW7-1-A), for the SZN and IZ wells, with the number designate the series, and the letter designate the depth (A being the topmost, B the 2nd and so on). This will eliminate any confusion with the existing monitoring wells (e.g., MW6-35), and without the need to rename the previous wells. This may also eliminate the need to change the well names should there be a change to HSU assignment to any well due to changes to geologic correlation. This means that the wells NG has already installed (MW6-22 through MW6-28) need to change their names. For example, MW6-22UI, MW6-22LI1, MW6-22LI2 and MW6-22D will be renamed as MW7-1-A, MW7-1-B, MW7-1-C, and MW7-1-D.
- B. For the SZS wells, we believe it makes sense to continue with the W series (e.g., W34, W35...) but add a letter at the end to indicate the depth (e.g., W34-A, W34-B) if there are multiple wells at one location (basically consistent with what NG is currently doing, adding a “-” between the number and the letter). This is applicable to all the wells installed as part of the SZS program, even if they are for the purpose of delineating the extent of the IZ plume (e.g., a deep well at IP-3).
- C. Upon completion of the field program, and revision of the conceptual model, we will augment the current well summary table for PVOU by adding these new wells, along with their designated HSU and functions (e.g., compliance well, sentinel well, etc).

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, May 29, 2013 2:55 PM
To: Barquest, Bradley A UTCHQ
Cc: Maldonado, Lewis
Subject: RE: Submittal of Additional Information Pertaining to the Completion of the Woodland Duck Farm Supplemental Environmental Project Completion, Amended Consent Decree, Case No. CV-05-6022 ABC (FMOx)

Brad,

We cannot grant final approval of the SEP at this time. As indicated in App. C of your submittal of invoices that UTC deducted SEP expenses on its income taxes in contradiction with Paragraph 71 of the Carrier CD.

Please submit documentation as soon as this issue has been resolved (expected in August 2014) so that we may verify and grant final approval.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, May 29, 2013 6:09 AM
To: Chavira, Raymond
Subject: FW: Submittal of Additional Information Pertaining to the Completion of the Woodland Duck Farm Supplemental Environmental Project Completion, Amended Consent Decree, Case No. CV-05-6022 ABC (FMOx)

Ray, just checking on the status of your review/approval of the above and the overall Completion of the Woodland Duck Farm Supplemental Environmental Project.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Friday, April 05, 2013 8:43 AM
To: 'Chavira.Raymond@epamail.epa.gov'
Subject: Submittal of Additional Information Pertaining to the Completion of the Woodland Duck Farm Supplemental Environmental Project Completion, Amended Consent Decree, Case No. CV-05-6022 ABC (FMOx)

Ray the attached file contains the additional information requested in your January 11, 2013 letter [Conditional Approval of Supplemental Environmental Project Completion, Amended Consent Decree, Case No. CV-05-6022 ABC (FMOx)]. A hard copy of the attached will also be sent via First Class Mail.

Please contact me with any questions or comments.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Thursday, May 30, 2013 9:42 AM
To: Chavira, Raymond;tom.perina@ch2m.com;Kerang.Sun@CH2M.com;Parsons, Scott;Lee, Don
Subject: Call-in Information for the rescheduled 10:00 am pacific call

Incase Don cannot get back to host the call at 10:00 am pacific, lets plan on using the following call-in information:

Call-in No. (866) 657-9737
Access code 3545373#

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, May 30, 2013 9:49 AM
To: Barquest, Bradley A
Subject: UTCHQ;tom.perina@ch2m.com;Kerang.Sun@CH2M.com;Parsons, Scott;Lee, Don
RE: Call-in Information for the rescheduled 10:00 am pacific call

Yes. I was getting an annoying echo on my end.

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Thursday, May 30, 2013 9:42 AM
To: Chavira, Raymond; tom.perina@ch2m.com; Kerang.Sun@CH2M.com; Parsons, Scott; Lee, Don
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Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, May 31, 2013 4:05 PM
To: Lee, Don
Cc: Bradley.Barquest@utc.com;Parsons, Scott;Tom Perina (tom.perina@ch2m.com);Pulido, Emma
Subject: RE: PVOU SZ groundwater investigation work plan

Don,

Described herein are EPA's comments on the *Groundwater Investigation Work Plan Puente Valley Operable Unit Shallow Zone North of Puente Creek Eastern Plume Early Action* dated May 16, 2013, prepared by Tetra Tech on behalf of UTC:

1. Page 1-2, second paragraph, last sentence: Delete "up to". EPA indicated in the 5/30/2013 conference call that a monitoring well will be needed south of the 140W production well cluster and additional wells may be needed depending on the investigation results.
2. Page 1-2 and Figure 2: Revise the locations and approximate street addresses as discussed in the 5/30/2013 conference call and subsequent email. Location 1 changes to Alternate Location 2, Loc. 3 into Alt. Loc. 1, and Loc. 2 into Alt. Loc. 4 or 5.
3. Page 1-2, first paragraph after bullets, first sentence: Change 300 feet into 320 feet.
4. Page 1-2, first paragraph after bullets, last sentence: Insert "or quadruple" after triple. Four two-inch diameter casings can be installed in a 12-inch diameter borehole so this option may be exercised if needed.
5. Page 1-3, Section 1.1, last bullet: Delete "and" from "...implemented to and install and...".
6. Page 2-9, Section 2.2.5.1: State that discrete groundwater samples will be collected at every 10 feet to obtain a vertical profile of contaminant distribution at each drilling location and permanent wells installed to allow water level and groundwater quality monitoring.
7. Page 2-12, first paragraph, last sentence: Revise the sentence to say that "An example triple-nested well completion will consist..."
8. Page 2-15, Section 2.3: Please consider using an overnight security guard. Rename this section as "Site Security and Noise Control."
9. Explain the rationale for different analytical methods for the analyses of 1,4-dioxane and perchlorate (explain how sample volume, reporting limits, etc. figured in the method selection). The discrete (Hydropunch) groundwater samples will be analyzed for 1,4-dioxane by USEPA Method 8260SIM but USEPA Method 8270C will be used for well samples; USEPA Method 8260SIM will also be used for investigation derived waste samples. Similarly, perchlorate analysis will be by USEPA Method 331 for well samples and by USEPA Method 314.0 for investigation derived waste samples.
10. Page 4-1. Add a bullet to state that any deviations in the field from this work plan will be reported to EPA.

As a follow up item from previous work plan comment: The WP references a 2004 sampling plan as the EPA approved QAPP. QAPPs should be revised every 5 years so UTC may need to be reminded to update their QAPP. Please complete this update and submit for review by July 12, 2013.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901

(415) 947-4218
(415) 947-3528 fax

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Thursday, May 16, 2013 3:43 PM
To: Chavira, Raymond
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Tom Perina (tom.perina@ch2m.com); Pulido, Emma
Subject: PVOU SZ groundwater investigation work plan

Ray,

Please find attached groundwater investigation work plan for PVOU SZ for your concurrence. A hardcopy and CD to follow.

Please call Scott or me if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, June 04, 2013 8:41 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: Proposed Well Locations SZ North Reinjection Area

Ray,

We should be able to have our comments to you today.

Regards,
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, June 03, 2013 2:15 PM
To: Lee, Don
Subject: RE: Proposed Well Locations SZ North Reinjection Area

Don,

Please send any comments on the draft flyer by end of day Tuesday June 4, 2013.

We plan on finalizing on Wed

Ray

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, May 30, 2013 12:22 PM
To: Chavira, Raymond
Subject: RE: Proposed Well Locations SZ North Reinjection Area

Thanks Ray

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Thursday, May 30, 2013 11:51 AM
To: Lee, Don
Cc: Parsons, Scott; Barquest, Bradley A UTCHQ; Tom.Perina@CH2M.com; Kerang.Sun@CH2M.com; Rosa.Esquivel@CH2M.com
Subject: Proposed Well Locations SZ North Reinjection Area

Don,

Here is a listing of proposed wells. I have also provided a draft flyer for your review. Please provide comments on the flyer. We plan to distribute the afternoon of June 6.

| Proposed Well No. | Map Name | Picture | Location |
|-------------------|---------------------------|--|--|
| 1 | Alt Loc #2 | 95 | Sauder St between Millbury Ave and Van Wig Ave. Either side of street works |
| 2 | Alt Loc #5, or 4, or 3 | #5 -96, 97 #4 -83, 85 #3 -89, 90 | #5 – 1009 N. Siesta Ave #4 – Edanruth Just N. of Fairgrove Ave on Eastside of street #3 – 14000 block E. Ragus Steet across from 14062 Ragus (between Edanruth and Bromley Ave |
| 3 | Alt Loc #1 | | Homeward Street between Millbury Ave and Van Wig Ave on SW side of Homeward |
| 4 (TBD) | Between Well 140 and PMW1 | | Edgewood Middle School Parking lot on Fairgrove Ave J North of Meeker |

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, June 06, 2013 1:34 PM
To: Scott.Parsons@tetrattech.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: Dec 2012 gwm results

Scott,

Please send me a table (Excel format would be best) with the December 2012 groundwater sampling results, both analytical results and water levels.

Regards,

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, June 06, 2013 1:44 PM
To: Tom.Perina@CH2M.com; Moisseeva, Tatiana
Cc: Bradley.Barquest@utc.com; Chavira, Raymond; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Tatiana,

Please send Tom the requested information.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, June 06, 2013 1:34 PM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: Dec 2012 gwm results

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Regards,

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Hydrogeologist/Senior Technologist
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Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, June 06, 2013 1:57 PM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Tom,

Can you send us the Northrop data (IZ, Benchmark, south of Puente Creek) from the same time frame?

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, June 06, 2013 1:34 PM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
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Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, June 06, 2013 2:13 PM
To: Scott.Parsons@tetrattech.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

I have the SZS report in pdf, not the IZ report yet. I will request spreadsheets with data.

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Thursday, June 06, 2013 1:57 PM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

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Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, June 06, 2013 2:18 PM
To: Tatiana.Moisseeva@tetrattech.com; Scott.Parsons@tetrattech.com
Cc: Bradley.Barquest@utc.com; Chavira, Raymond; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

That was quick. Thanks, Tatiana

From: Moisseeva, Tatiana [mailto:Tatiana.Moisseeva@tetrattech.com]
Sent: Thursday, June 06, 2013 2:09 PM
To: Parsons, Scott; Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

Please see requested information attached.

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To: Tom.Perina@CH2M.com; Moisseeva, Tatiana
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Riverside, CA 92507
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951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, June 06, 2013 2:42 PM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Tom,

Will that include the Benchmark and IZ RDI data? I would imagine that much of that data have been validated by now.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, June 06, 2013 2:13 PM
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tperina@ch2m.com

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, June 06, 2013 3:36 PM
To: Scott.Parsons@tetrattech.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

I think so.

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Sent: Thursday, June 06, 2013 2:42 PM
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Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
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Tom Perina, PhD, PG, CHG

Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 07, 2013 8:32 AM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Tom,

Can we also get an updated list of IZ, South of Puente Creek, and Benchmark wells with survey locations so we can keep our maps current?

From: Parsons, Scott
Sent: Thursday, June 06, 2013 2:46 PM
To: 'Tom.Perina@CH2M.com'
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

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To: Scott.Parsons@tetrattech.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Scott, certainly, as soon as they get surveyed.

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, June 07, 2013 8:32 AM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
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tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 07, 2013 9:23 AM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com; Chavira, Raymond; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Thanks Tom. We would appreciate the information on even a subset of the new wells if that is all that is available at this time.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Friday, June 07, 2013 8:51 AM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Scott, certainly, as soon as they get surveyed.

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, June 07, 2013 8:32 AM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

Tom,

Can we also get an updated list of IZ, South of Puente Creek, and Benchmark wells with survey locations so we can keep our maps current?

From: Parsons, Scott
Sent: Thursday, June 06, 2013 2:46 PM
To: 'Tom.Perina@CH2M.com'
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

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From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, June 06, 2013 2:13 PM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
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Sent: Thursday, June 06, 2013 1:57 PM
To: Perina, Tom/RIV

Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO

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Subject: Dec 2012 gwm results

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Regards,

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 07, 2013 11:10 AM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Thanks very much Tom.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Friday, June 07, 2013 10:30 AM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Sending 2 of 2

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Friday, June 07, 2013 9:23 AM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
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From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Friday, June 07, 2013 8:51 AM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

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951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 07, 2013 2:56 PM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Kerang Sun
Subject: RE: Dec 2012 gwm results

Thanks Tom. I didn't see any new south of Puente Creek wells or Benchmark wells. Have those wells not been surveyed yet?

Sent from Samsung Mobile

----- Original message -----

From: Tom.Perina@CH2M.com
Date: 06/07/2013 10:25 AM (GMT-07:00)
To: "Parsons, Scott" <Scott.Parsons@tetrattech.com>
Cc: Bradley.Barquest@utc.com,Chavira.Raymond@epa.gov,Kerang.Sun@CH2M.com
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Sending 1 of 2

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1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, June 10, 2013 12:51 PM
To: Chavira, Raymond
Subject: RE: Revised PVOU SZ groundwater investigation work plan and RTC

Thanks Ray.

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

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From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Sunday, June 09, 2013 9:44 PM
To: Lee, Don
Cc: Bradley.Barquest@utc.com; Tom Perina (tom.perina@ch2m.com); Parsons, Scott; Pulido, Emma
Subject: RE: Revised PVOU SZ groundwater investigation work plan and RTC

Don,

We conducted door-to-door notification on Thursday June 6 for Sauder Street location. All looks good. Our preferred location is on the south side of Sauder adjacent to white wall (see photos between silver bus and Impala.) We communicated a start date of June 24 (basically last week in June)

We need to work with City of Industry Sheriff's Office regarding street sweeping enforcement on Mondays and Fridays.

Ray

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Thursday, June 06, 2013 5:50 PM
To: Chavira, Raymond
Cc: Bradley.Barquest@utc.com; Tom Perina (tom.perina@ch2m.com); Parsons, Scott; Pulido, Emma
Subject: Revised PVOU SZ groundwater investigation work plan and RTC

Ray,

Please find attached revised PVOU SZ groundwater investigation work plan dated June 6, 2013 and response to comments document. Hardcopy to follow. Please disregard this email if you already have received the same by email from Emma earlier today.

Please call me or Scott if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, June 11, 2013 9:33 PM
To: Bradley.Barquest@utc.com
Subject: Out of Office until Fri June 14

Brad, I will try calling you on Wed afternoon but if not we can talk on Friday

Ray

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, June 13, 2013 2:28 PM
To: Don.Lee@tetrattech.com
Cc: Scott.Parsons@tetrattech.com;Kerang.Sun@CH2M.com;Chavira, Raymond
Subject: RE: Well name for Sauder Street well

Don,

I recommend starting a new well numbering sequence for the new wells including the piezometer already installed at Amar Rd. It would be good to change the name of the piezometer from P-1 to MW8-1 and then continue with MW8-2 for the Sauder Str. well (alt loc #2), MW8-3 for the next one, etc. If you really think that changing P-1 name is impractical now, then call the Sauder Str. well MW8-1.

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Tom

From: Sun, Kerang/SCO
Sent: Thursday, June 13, 2013 2:00 PM
To: Lee, Don
Cc: Parsons, Scott; Perina, Tom/RIV
Subject: RE: Well name for Sauder Street well

Don,

We will get back to you soon.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, June 13, 2013 1:53 PM
To: Sun, Kerang/SCO
Cc: Parsons, Scott
Subject: Well name for Sauder Street well

Kerang,

What well name should we use for Sauder Street well (Alt Loc #2)? We need to provide a well name on LA County encroachment permit application.

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Don Lee, PG, CHG | Senior Hydrogeologist

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Tom,

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Thanks
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don.lee@tetrattech.com

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Kerang

Kerang Sun, Ph.D., P.G.

*CH2M HILL
6 Hutton Centre Dr. Suite 700
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Tel: (714) 435-6324
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Subject: RE: Well name for Sauder Street well

Don,

We will get back to you soon.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, June 13, 2013 1:53 PM
To: Sun, Kerang/SCO
Cc: Parsons, Scott
Subject: Well name for Sauder Street well

Kerang,

What well name should we use for Sauder Street well (Alt Loc #2)? We need to provide a well name on LA County encroachment permit application.

Thanks

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

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Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 14, 2013 8:16 AM
To: Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com);Chavira, Raymond;Kerang Sun
Subject: FW: Dec 2012 gwm results

Tom,

Can you provide the survey and well construction data for the new Benchmark wells?

From: Parsons, Scott
Sent: Friday, June 07, 2013 2:56 PM
To: Tom.Perina@CH2M.com
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang Sun
Subject: RE: Dec 2012 gwm results

Thanks Tom. I didn't see any new south of Puente Creek wells or Benchmark wells. Have those wells not been surveyed yet?

Sent from Samsung Mobile

----- Original message -----

From: Tom.Perina@CH2M.com
Date: 06/07/2013 10:25 AM (GMT-07:00)
To: "Parsons, Scott" <Scott.Parsons@tetrattech.com>
Cc: Bradley.Barquest@utc.com,Chavira.Raymond@epa.gov,Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Sending 1 of 2

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Friday, June 07, 2013 9:23 AM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

Thanks Tom. We would appreciate the information on even a subset of the new wells if that is all that is available at this time.

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Friday, June 07, 2013 8:51 AM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Scott, certainly, as soon as they get surveyed.

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Friday, June 07, 2013 8:32 AM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

Tom,

Can we also get an updated list of IZ, South of Puente Creek, and Benchmark wells with survey locations so we can keep our maps current?

From: Parsons, Scott
Sent: Thursday, June 06, 2013 2:46 PM
To: 'Tom.Perina@CH2M.com'
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

Tom,

Will that include the Benchmark and IZ RDI data? I would imagine that much of that data have been validated by now.

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Thursday, June 06, 2013 2:13 PM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: RE: Dec 2012 gwm results

I have the SZS report in pdf, not the IZ report yet. I will request spreadsheets with data.

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Thursday, June 06, 2013 1:57 PM
To: Perina, Tom/RIV
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Sun, Kerang/SCO
Subject: RE: Dec 2012 gwm results

Tom,

Can you send us the Northrop data (IZ, Benchmark, south of Puente Creek) from the same time frame?

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Thursday, June 06, 2013 1:34 PM
To: Parsons, Scott
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com
Subject: Dec 2012 gwm results

Scott,

Please send me a table (Excel format would be best) with the December 2012 groundwater sampling results, both analytical results and water levels.

Regards,

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist

CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, June 14, 2013 8:33 AM
To: Bradley.Barquest@utc.com
Subject: Call today?

Brad,

Are you available for call this morning say 10 am pdt?

Ray

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, June 14, 2013 9:53 AM
To: Chavira, Raymond
Subject: RE: Call today?

Lets push this back to 10:15 am pacific

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, June 14, 2013 10:33 AM
To: Barquest, Bradley A UTCHQ
Subject: [External] Call today?

Brad,

Are you available for call this morning say 10 am pdt?

Ray

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, June 14, 2013 9:54 AM
To: Barquest, Bradley A UTCHQ
Subject: RE: Call today?

10:15 works

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Friday, June 14, 2013 9:53 AM
To: Chavira, Raymond
Subject: RE: Call today?

Lets push this back to 10:15 am pacific

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, June 14, 2013 10:33 AM
To: Barquest, Bradley A UTCHQ
Subject: [External] Call today?

Brad,

Are you available for call this morning say 10 am pdt?

Ray

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, June 14, 2013 3:29 PM
To: Chavira, Raymond
Subject: PVOU SZ N

Ray,

You will be receiving the Bi monthly progress report shortly

Chavira, Raymond

From: Emma.Pulido@tetrattech.com
Sent: Friday, June 14, 2013 4:00 PM
To: Chavira, Raymond
Subject: April-May 2013 Bi-Monthly Progress Report

Click the links below to download the files.

[Bi-Monthly_20130614.pdf \(9,915,945 bytes\)](#)

Package details:

From: emma.pulido@tt

To: Chavira.Raymond@epamail.epa.gov ; pmacnich@dtsc.ca.gov ; bradley.barquest@utc.com ; tom.perina@ch2m.com ; dan@wqa.com

Subject: April-May 2013 Bi-Monthly Progress Report

Arrived: Fri Jun 14 18:59:28 2013

Good afternoon,

Please see the attached April-May 2013 Bi-Monthly Progress Report per Scott Parsons' request. Hardcopies of the report will be sent to the individuals designated to receive them based on the distribution list. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant
Direct: 949.809.5229 | Main: 949.809.5000 | Fax: 949.809.5010
emma.pulido@tetrattech.com

GeoTrans, Inc. | A Tetra Tech Company
17885 Von Karman Avenue, Suite 500 | Irvine, CA 92614 www.geotransinc.com | www.tetrattech.com

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Total file size: 9,915,945 bytes

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, June 14, 2013 5:29 PM
To: Parsons, Scott
Subject: RE: PVOU SZ N

What happened?

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, June 14, 2013 3:29 PM
To: Chavira, Raymond
Subject: PVOU SZ N

Ray,

You will be receiving the Bi monthly progress report shortly

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 18, 2013 7:39 AM
To: Chavira, Raymond
Subject: Status of EPA Oversight Payment

Ray based on our discussion on Friday last week I had our accounting people check on the status of the Oversight Invoice Dated march 8, 2013. Our records indicate that payment was made on April 10, 2013.

| | | | | |
|-------------|-----------------------------------|-------------|--------------|-------|
| Mar-08-2013 | EPA HAZARDOUS SUBSTANCE SUPERFUND | Apr-10-2013 | \$390,000.00 | Final |
| | | | | |

| | | | | |
|-------------|-----------------------------------|-------------|------------|-------|
| Mar-08-2013 | EPA HAZARDOUS SUBSTANCE SUPERFUND | Apr-10-2013 | \$1,823.37 | Final |
|-------------|-----------------------------------|-------------|------------|-------|

It looks like they (we) may have made payment in two parts as depicted above (\$390,000 payment and \$1,823.37).

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 18, 2013 8:15 AM
To: Chavira, Raymond
Subject: FW: Status of EPA Oversight Payment

Ray, the EPA oversight payment was sent in a single check in the amount of \$391,823.27 on April 10, 2013. The check number is 455112. I have asked our accounts payable staff to see if the check has cleared.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
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Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 18, 2013 4:18 PM
To: Chavira, Raymond
Subject: Status of EPA Oversight Payment

Ray, I was just informed that UTC check number 455112 in the amount of \$391,823.27 for EPA oversight related to PVOU was cashed on April 16, 2013.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Tuesday, June 18, 2013 10:15 AM
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Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation

Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, June 18, 2013 6:31 PM
To: Barquest, Bradley A UTCHQ
Subject: RE: Status of EPA Oversight Payment

Brad,

Thanks

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, June 18, 2013 4:18 PM
To: Chavira, Raymond
Subject: Status of EPA Oversight Payment

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Call or e-mail with questions

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United Technologies Corporation
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e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Tuesday, June 18, 2013 10:15 AM
To: 'Chavira, Raymond'
Subject: FW: Status of EPA Oversight Payment

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Call or e-mail with questions

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United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Tuesday, June 18, 2013 9:39 AM
To: 'Chavira, Raymond'
Subject: Status of EPA Oversight Payment

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Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Jorge.Vergara@tetrattech.com
Sent: Friday, June 21, 2013 12:00 PM
To: Chavira, Raymond
Subject: Bi-monthly Progress Report - Final

Click the links below to download the files.

[Transmittal Ltr 20130610.pdf \(38,845 bytes\)](#)

[Bi-Monthly_20130610.pdf \(13,333,942 bytes\)](#)

Package details:

From: Jorge.Vergara@tt

To: Chavira.Raymond@epamail.epa.gov

Subject: Bi-monthly Progress Report - Final

Arrived: Fri Jun 21 14:59:40 2013

As per Scott Parsons' request:

Please find attached the revised April/May bi-monthly progress report for the PVOU SZ north of Puente Creek.
Please disregard the version that was submitted previously.

Total file size: 13,372,787 bytes

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Monday, June 24, 2013 1:33 PM
To: Chavira, Raymond
Cc: Tom Perina;Bradley A Barquest (bradley.barquest@utc.com);Lee, Don
Subject: Monitoring Well MW8-1 (Sauder Street) Status

The status of activities associate with the installation of monitoring well MW 8-1 (Sauder Street) is provided below).

Completed Activities:

- Submitted LA County Department of Public Health well permit application (expect permit to be issued on or around July 8)
- Submitted LA County Department of Public Works road permit application (expect permit to be issued on or around July 15)
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of permits)
- Scheduled geophysical contractor to survey for subsurface utilities on June 24
- Underground Service Alert completed its subsurface utility survey and marking
- [Community involvement flyer](#) distributed by USEPA

Upcoming Activities:

- Locate underground utilities with geophysical subcontractor and mark final borehole location (June 24)
- Receive LADPH well permit and LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 25, 2013 5:18 AM
To: Chavira, Raymond
Cc: tom.perina@ch2m.com; Parsons, Scott
Subject: PVOU Data Request

Ray, it is my understanding that a considerable number of monitoring wells have been installed and groundwater samples collected/analyzed recently as part of the ongoing Benchmark/SZ South of Puente Creek and PVOU IZ RDIs. I believe it is important for UTC and Tetra Tech to review these data with respect to potential implications on the PVOU SZ North of Puente Creek interim RD/RA, so that modifications to the RD/RA (if deemed necessary) can be initiated in a timely fashion. Therefore, on behalf of UTC, I am request that the following information be provided to both Scott Parsons at Tetra Tech and me:

- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the Benchmark RDI
- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the South of Puente Creek RDI (between Benchmark and Puente Creek)
- Winter 2012/2013 PVOU IZ groundwater monitoring data
- Winter 2012/2013 Benchmark groundwater monitoring data

I believe much (if not all) of his data should be available at this time. It may be easier to have CH2MHill provide a share-point link to Scott Parsons to retrieve the data.

If you require a more formal request, please let me know and I will provide one.

Please call or e-mail with questions

Thank you

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, June 25, 2013 1:49 PM
To: Barquest, Bradley A UTCHQ
Cc: tom.perina@ch2m.com; Parsons, Scott; Kerang Sun
Subject: RE: PVOU Data Request

Brad,

We plan to place much of the information requested below on CH2MHILL's Share point. We need time to set up and populate. I would expect at least two weeks due to holiday.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, June 25, 2013 5:18 AM
To: Chavira, Raymond
Cc: tom.perina@ch2m.com; Parsons, Scott
Subject: PVOU Data Request

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Please call or e-mail with questions

Thank you

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 02, 2013 3:23 PM
To: Chavira, Raymond
Cc: Tom Perina;Bradley A Barquest (bradley.barquest@utc.com)
Subject: MW 8-1 Status Update

The status of activities associated with the installation of monitoring well MW 8-1 (Sauder Street) is provided below.

Completed Activities:

- Received LA County Department of Public Health well permit and forwarded the permit to LA County DPW
- Submitted LA County Department of Public Works road permit application
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of permits)
- Completed geophysical survey for subsurface utilities on June 24
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA

Upcoming Activities:

- Receive LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 02, 2013 3:38 PM
To: Parsons, Scott
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

Scott,

Is the permit or permits for all three wells or only for Sauder Street? May want to start process for other locations given the processing time.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 02, 2013 3:23 PM
To: Chavira, Raymond
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: MW 8-1 Status Update

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Upcoming Activities:

- Receive LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 02, 2013 3:40 PM
To: Chavira, Raymond
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

We only submitted applications for MW 8-1 (Sauder Street) because both the LA County DPH well permit and the LA County DPW encroachment permits are location specific. If we decide, based on field data, to change locations for the other two wells, we would need to resubmit.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, July 02, 2013 3:38 PM
To: Parsons, Scott
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

Scott,

Is the permit or permits for all three wells or only for Sauder Street? May want to start process for other locations given the processing time.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 02, 2013 3:23 PM
To: Chavira, Raymond
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: MW 8-1 Status Update

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Completed Activities:

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Upcoming Activities:

- Receive LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 02, 2013 3:58 PM
To: Parsons, Scott
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

Brad,

To allow quicker mobilization, we recommend obtaining the permits for the proposed drilling locations at this time.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 02, 2013 3:40 PM
To: Chavira, Raymond
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

We only submitted applications for MW 8-1 (Sauder Street) because both the LA County DPH well permit and the LA County DPW encroachment permits are location specific. If we decide, based on field data, to change locations for the other two wells, we would need to resubmit.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, July 02, 2013 3:38 PM
To: Parsons, Scott
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: MW 8-1 Status Update

Scott,

Is the permit or permits for all three wells or only for Sauder Street? May want to start process for other locations given the processing time.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 02, 2013 3:23 PM
To: Chavira, Raymond
Cc: Tom Perina; Bradley A Barquest (bradley.barquest@utc.com)
Subject: MW 8-1 Status Update

The status of activities associated with the installation of monitoring well MW 8-1 (Sauder Street) is provided below.

Completed Activities:

- Received LA County Department of Public Health well permit and forwarded the permit to LA County DPW
- Submitted LA County Department of Public Works road permit application
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of permits)
- Completed geophysical survey for subsurface utilities on June 24

- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA

Upcoming Activities:

- Receive LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 09, 2013 3:31 PM
To: Brad Barquest
Cc: Scott Parsons; Lee, Don; <Tom.Perina@CH2M.com>; Rosa.Esquivel@CH2M.com
Subject: Access Plan for Site Investigation Activities - PVOU SZ North

Brad,

To ensure the all investigation program stays on track, please prepare and submit schedules describing UTC's planned approach for obtaining access whether for public right of ways or private property. Include any planned or required discussions with appropriate entities and any permits or agreements needed to secure access.

This is an issue we have discussed previously and the proposed locations for the next three wells including Sauder Street as proposed in maps. Please submit these to EPA by Tuesday July 16, 2013.

Thank you for your cooperation.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 09, 2013 5:50 PM
To: Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com); Tom Perina
Subject: Status Update: Investigation at Toe of PVOU SZ Eastern Plume

MW 8-1 (Sauder Street) Update

The status of activities associated with the installation of monitoring well MW 8-1 (Sauder Street) is provided below.

Completed Activities:

- Received LA County Department of Public Health well permit and forwarded the permit to LA County DPW
- Submitted LA County Department of Public Works road permit application
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of permits)
- Completed geophysical survey for subsurface utilities
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA

Upcoming Activities:

- Receive LACDPW road permit (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 and MW 8-3 Update

Completed Activities:

- Prepared LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start on MW 8-2

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee
- Community involvement flyer distribution by USEPA

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Thursday, July 11, 2013 10:23 AM
To: Chavira, Raymond
Cc: Scott.Parsons@tetrattech.com
Subject: Potential to collect up to two PVOU SZ discrete depth groundwater samples from the Northrop-Grumman boring

Ray, consistent with our discussion on July 10, 2013 concerning the collection of up to two PVOU SZ discrete depth groundwater samples from the Northrop-Grumman boring located near the 140-W1, W2 and W3 production wells, the following is presented for your consideration:

Based on a review of the PMW-1, Amar Road Nested Piezometer, and MW-6-21 subsurface data, discrete depth groundwater samples should be collected from the following intervals to assist in the delineation of the downgradient extent of the PVOU SZ Eastern Plume:

- One sample from within the depth interval of 190-to-220 feet below ground surface;
- One sample from the depth interval of 220-to-250 feet below ground surface.

Call or e-mail if you would like to discuss further.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Friday, July 12, 2013 12:44 PM
To: Enriquez, Raymond
Cc: pwinspector@lapuente.org;Bradley.Barquest@utc.com;Chavira, Raymond;Tom Perina (tom.perina@ch2m.com);Parsons, Scott;Moisseeva, Tatiana
Subject: NOTIFICATION - Monitoring well drilling and sampling on Sauder Street between Millbury and Van Wig Avenues, West Puente Valley, July 22 - August 30 (est.)

Hello Raymond,

Please be advised that Tetra Tech will be drilling and sampling one groundwater monitoring well on public roadway in West Puente Valley (on Sauder Street between Millbury and Van Wig Avenues).

Work Description: Monitoring well drilling and collecting samples.

Where: Work will be conducted mainly on parking lane on the south side of Sauder Street between Millbury and Van Wig Avenues, West Puente Valley. Temporary traffic control signs will be set up to allow through traffic. None of the roads or driveways will be blocked.

When: From approximately July 22 to August 30, 2013 (estimated).

Traffic Impact: Traffic volume is low on Sauder Street and traffic impact is expected to be minimal at this location.

Please call me if you have any questions.

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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Chavira, Raymond

Subject: PVOU Call per Ray's Request
Location: Live Meeting

Start: Mon 7/15/2013 1:00 PM
End: Mon 7/15/2013 1:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Parsons, Scott

--+-----+-----+-----+-----+-----+-----+-----+-----+-----+--

SCOTT PARSONS has invited you to attend an online meeting using Microsoft® Office Live Meeting service.

[Join the meeting](#)

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Choose one of the following:

- Dial the conferencing service directly, and enter the participant code shown below:
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Toll: +1-5174449940
Participant Code: 9114316

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1. Copy this address and paste into your web browser:
<https://www.livemeeting.com/cc/tetrattech/join>
2. Copy and paste the required information:
Meeting ID: DH5799
Entry Code: CjK(;8.Mj
Location: <https://www.livemeeting.com/cc/tetrattech>

If you still cannot enter the meeting, [contact support](#).

NOTICE

Office Live Meeting can be used to record meetings. By participating in this meeting, you agree that your communications may be monitored or recorded at any time during the meeting.

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, July 16, 2013 4:30 PM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: MW8-1 (Sauder St)

Ray,

Do you have a copy of final community involvement flyer that you used for MW8-1 (Sauder St)? If you sent it to me before, could you send it to me again?

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, July 17, 2013 8:35 AM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com>; Scott.Parsons@tetrattech.com
Subject: Shallow Zone Vertical Extent and Future Drilling

Ray the discussions with your team, on July 16, 2013 concerning the various interpretations and associated rationale used by USEPA and UTC to estimate the base of the Shallow Zone particularly in the vicinity of the Amar Road reinjection location were appreciated. While we may not concur with each other's interpretations of the Shallow Zone's base, I believe the discussion was helpful in understanding each other's approach to the data interpretation.

It was also helpful to discuss what additional data USEPA believes is necessary to support the Amar Road Injection Site (i.e., a combination of discrete depth groundwater analytical and/or lithological) within select portions of the Shallow Zone near the toe of the Eastern Plume.

Based on the above it was determined that USEPA and UTC would postpone further discussion on the base of the Shallow Zone until the additional investigation activities associated with MW-8-1, MW-8-2, and/or MW-8-3 are completed. In the interim it was agreed to collectively discuss reasonable responses to a variety of potential drilling scenarios and associated maximum drilling depths prior to initiation and during the initial MW-8-1, MW-8-2, and/or MW-8-3 drilling activities.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, July 17, 2013 2:22 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Tom Perina
Subject: Data Request

Ray,

As a follow up to Brad's request of June 25, 2013 for PVOU data(see below), it is our understanding that a considerable number of monitoring wells have been installed and groundwater samples collected/analyzed in the past twelve months as part of the ongoing Benchmark/SZ South of Puente Creek and PVOU IZ RDIs. I believe it is important for UTC and Tetra Tech to review these data with respect to potential implications on the PVOU SZ North of Puente Creek interim RD/RA, so that modifications to the RD/RA (if deemed necessary) can be initiated in a timely fashion. Therefore, on behalf of UTC, I am requesting that the following information be provided to Brad and I:

- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the Benchmark RDI
- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the South of Puente Creek RDI (between Benchmark and Puente Creek)
- Winter 2012/2013 PVOU IZ groundwater monitoring data
- Winter 2012/2013 Benchmark groundwater monitoring data

Furthermore, we also request certain historical lithological and discrete depth groundwater data (marked by an x in the table below) so that we may integrate all available current and historical data into our ongoing evaluation of the PVOU site conceptual model and numeric model.

| | Well log | Geophysical log | Depth-discrete GW |
|--------------|----------|-----------------|-------------------|
| MW-08 | x | x | x |
| MW-12 | | x | x |
| MW-19 | | x | x |
| MW6-1 | | | x |
| MW6-10 | | x | x |
| MW6-10i | | x | x |
| MW6-12i | | | x |
| MW6-13 | | x | x |
| MW6-14 | | x | x |
| MW6-16 | | x | x |
| MW6-16i | | | x |
| MW6-17 | | x | x |
| MW6-17i | | | x |
| MW6-18 | | x | x |
| MW6-31 to 37 | | | x |

| | | | |
|--------------|---|---|---|
| MW6-51 to 56 | | x | x |
| 147W3 | | x | x |
| B7C | | x | x |
| MZ-3 | x | x | x |
| IZ-1/MZ-1 | | x | x |

I believe much (if not all) of his data should be available at this time. It may be easier to have CH2MHill provide a share-point link to Scott Parsons to retrieve the data.

If you require a more formal request, please let me know and I will provide one.

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, June 25, 2013 5:18 AM
To: Chavira, Raymond
Cc: tom.perina@ch2m.com; Parsons, Scott
Subject: PVOU Data Request

Ray, it is my understanding that a considerable number of monitoring wells have been installed and groundwater samples collected/analyzed recently as part of the ongoing Benchmark/SZ South of Puente Creek and PVOU IZ RDIs. I believe it is important for UTC and Tetra Tech to review these data with respect to potential implications on the PVOU SZ North of Puente Creek interim RD/RA, so that modifications to the RD/RA (if deemed necessary) can be initiated in a timely fashion. Therefore, on behalf of UTC, I am request that the following information be provided to both Scott Parsons at Tetra Tech and me:

- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the Benchmark RDI
- Well logs, geophysical logs, groundwater analytical data (discrete depth and well) and well survey data for the South of Puente Creek RDI (between Benchmark and Puente Creek)
- Winter 2012/2013 PVOU IZ groundwater monitoring data
- Winter 2012/2013 Benchmark groundwater monitoring data

I believe much (if not all) of his data should be available at this time. It may be easier to have CH2MHill provide a share-point link to Scott Parsons to retrieve the data.

If you require a more formal request, please let me know and I will provide one.

Please call or e-mail with questions

Thank you

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application

- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, July 17, 2013 5:17 PM
To: Chavira, Raymond
Subject: Automatic reply: MW 8-1, MW 8-2, and MW 8-3 Update

I will be out of the office the week of July 15, 2013 and will have very limited access to e-mails and telephones during that time. Thank you

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, July 17, 2013 5:56 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Thanks very much for the support Ray.

Sent from Samsung Mobile

----- Original message -----

From: "Chavira, Raymond" <Chavira.Raymond@epa.gov>
Date: 07/17/2013 5:11 PM (GMT-08:00)
To: "Parsons, Scott" <Scott.Parsons@tetrattech.com>, Tom Perina <tom.perina@ch2m.com>
Cc: "Barquest, Bradley A UTCHQ" <Bradley.Barquest@utc.com>, "Lee, Don" <Don.Lee@tetrattech.com>
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed

- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Thursday, July 18, 2013 9:06 AM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Maldonado, Luis;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

FYI, I just received a call from LACDPW. The road permit for MW8-1 is available and we will be picking up the permit today.

Thanks for your help.
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Parsons, Scott
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Thursday, July 18, 2013 2:32 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; Chavira, Raymond
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Brad,

We picked up the road permit. Good to go for Monday.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Thursday, July 18, 2013 12:30 PM
To: Lee, Don; Parsons, Scott
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

So all is good for Monday?

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, July 18, 2013 11:06 AM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ; Maldonado, Luis; Parsons, Scott; Tom Perina
Subject: [External] RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

FYI, I just received a call from LACDPW. The road permit for MW8-1 is available and we will be picking up the permit today.

Thanks for your help.
Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Parsons, Scott
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, July 18, 2013 2:55 PM
To: Brad.Barquest@comcast.net
Cc: Scott.Parsons@tetrattech.com;Chavira,
Raymond;Mike.Grigorieff@CH2M.com;Kerang.Sun@CH2M.com
Subject: next week

Brad,

I will be out of the office next week, returning 7/29. If needed, please contact Kerang Sun or Mike Grigorieff regarding hydrogeology and design issues, respectively, during this time.

Regards,

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, July 18, 2013 10:21 PM
To: Lee, Don
Cc: Barquest, Bradley A UTCHQ;Maldonado, Luis;Parsons, Scott;Tom Perina;Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Don,

We re-notified residents on Sauder/Van Wig/Milbury. A few issues.

1. Since parking will be tight on street sweeping days (Fri and Mon). Please check with City of Industry Sherriff's Office as to "bragging" street sweeping signs on Sauder Street from Milbury to Puente Ave. I believe you can purchase bags that cover the signs (eight in all).
2. If you start on Monday you will need to put the no parking signed out on the south side of Sauder street between Van Wig and Milbury, per the work plan.

Your good to proceed with drilling. Please notify Rosa Esquivel (CH2M HILL) if you receive any inquires from the community.

Ray

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Thursday, July 18, 2013 9:06 AM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ; Maldonado, Luis; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

FYI, I just received a call from LACDPW. The road permit for MW8-1 is available and we will be picking up the permit today.

Thanks for your help.

Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Parsons, Scott
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina

Cc: Barquest, Bradley A UTCHQ; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)

- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, July 22, 2013 9:42 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira.Raymond@epamail.epa.gov; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee

- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 23, 2013 2:53 PM
To: Chavira, Raymond
Subject: FW: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

Do you have a contact name or department at City of Industry Sherriff's Office re the "bragging" street sweeping sign. We made multiple calls on Friday and no one was able to give us an answer.

From: Lee, Don
Sent: Tuesday, July 23, 2013 2:23 PM
To: Parsons, Scott
Subject: FW: MW 8-1, MW 8-2, and MW 8-3 Update

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Thursday, July 18, 2013 10:21 PM
To: Lee, Don
Cc: Barquest, Bradley A UTCHQ; Maldonado, Luis; Parsons, Scott; Tom Perina; Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Don,

We re-notified residents on Sauder/Van Wig/Milbury. A few issues.

1. Since parking will be tight on street sweeping days (Fri and Mon). Please check with City of Industry Sherriff's Office as to "bragging" street sweeping signs on Sauder Street from Milbury to Puente Ave. I believe you can purchase bags that cover the signs (eight in all).
2. If you start on Monday you will need to put the no parking signed out on the south side of Sauder street between Van Wig and Milbury, per the work plan.

Your good to proceed with drilling. Please notify Rosa Esquivel (CH2M HILL) if you receive any inquires from the community.

Ray

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, July 18, 2013 9:06 AM

To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHO; Maldonado, Luis; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

FYI, I just received a call from LACDPW. The road permit for MW8-1 is available and we will be picking up the permit today.

Thanks for your help.
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Parsons, Scott
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHO; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHO; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira, Raymond; Tom Perina

Cc: Barquest, Bradley A UTCHQ; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, July 23, 2013 5:54 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)

- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start

- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHO; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 24, 2013 6:27 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start

- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHQ; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Thursday, July 25, 2013 4:42 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities

- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don
Sent: Monday, July 22, 2013 9:41 PM
To: Chavira.Raymond@epamail.epa.gov
Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira.Raymond@epamail.epa.gov; Tom Perina
Cc: Barquest, Bradley A UTCHO; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, July 26, 2013 2:25 PM
To: Parsons, Scott
Cc: Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Scott,

I plan to stop by next week probably Tuesday to see what the requirements are if any on bragging the signs.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 23, 2013 2:53 PM
To: Chavira, Raymond
Subject: FW: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

Do you have a contact name or department at City of Industry Sherriff's Office re the "bragging" street sweeping sign. We made multiple calls on Friday and no one was able to give us an answer.

From: Lee, Don
Sent: Tuesday, July 23, 2013 2:23 PM
To: Parsons, Scott
Subject: FW: MW 8-1, MW 8-2, and MW 8-3 Update

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, July 18, 2013 10:21 PM
To: Lee, Don
Cc: Barquest, Bradley A UTCHQ; Maldonado, Luis; Parsons, Scott; Tom Perina; Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Don,

We re-notified residents on Sauder/Van Wig/Milbury. A few issues.

1. Since parking will be tight on street sweeping days (Fri and Mon). Please check with City of Industry Sheriff's Office as to "bragging" street sweeping signs on Sauder Street from Milbury to Puente Ave. I believe you can purchase bags that cover the signs (eight in all).
2. If you start on Monday you will need to put the no parking signed out on the south side of Sauder street between Van Wig and Milbury, per the work plan.

Your good to proceed with drilling. Please notify Rosa Esquivel (CH2M HILL) if you receive any inquires from the community.

Ray

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Thursday, July 18, 2013 9:06 AM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ; Maldonado, Luis; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

FYI, I just received a call from LACDPW. The road permit for MW8-1 is available and we will be picking up the permit today.

Thanks for your help.
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
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From: Parsons, Scott
Sent: Thursday, July 18, 2013 7:00 AM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don; Maldonado, Luis
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

Ray,

The substantive requirements of the road permit are detailed on the permit application. If for some reason, LA County DPW still has not issued the permit by Monday we would be willing to begin field work on Monday in accordance with the substantive requirements of the permit if the United States Environmental Protection Agency provides United Technologies Corporation and Tetra Tech with a letter supporting this alternative and acknowledging our right to do so under the protection of the CERCLA permit waiver. As a reminder, LA County DPW provided us with a permit number over the phone and we have paid all required permit fees. We hope that it does not come down to this but wanted to let you know that UTC would support and cooperate with USEPA on such an alternative.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, July 17, 2013 5:17 PM
To: Parsons, Scott; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update

I left a message with Navarro at the County. No reply. I will check again tomorrow.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira, Raymond; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Friday, July 26, 2013 4:35 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities

- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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don.lee@tetratech.com

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From: Lee, Don
Sent: Wednesday, July 24, 2013 6:27 PM
To: 'Chavira.Raymond@epamail.epa.gov'
Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking

- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetratech.com

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHQ; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, July 29, 2013 4:56 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start

- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit

- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetratech.com

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.

- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira.Raymond@epamail.epa.gov; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, July 30, 2013 2:23 PM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: Cross section and proposed well screens for MW6-29 on Edgewood Academy

Thanks Ray. Do you have a map showing where these new wells are or coordinates?

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010
don.lee@tetrattech.com

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, July 29, 2013 1:52 PM
To: Parsons, Scott
Cc: Lee, Don; Tom Perina; Kerang.Sun@CH2M.com
Subject: FW: Cross section and proposed well screens for MW6-29 on Edgewood Academy
Importance: High

E - logs

From: Zych, Michele [<mailto:ZychMA@cdmsmith.com>]
Sent: Friday, July 19, 2013 1:06 PM
To: Chavira, Raymond; Tom.Perina@CH2M.com; Kerang.Sun@CH2M.com; John.Dolegowski@CH2M.com
Cc: Linda Niemeyer; 'Eric Wiebe'; Chamberlin, David; rwlewis5@gmail.com; Kelley, Karen
Subject: Cross section and proposed well screens for MW6-29 on Edgewood Academy
Importance: High

Ray and Tom,

Attached are the e-logs and lithologic log for the boring at the Edgewood Academy, and a draft cross section that extends to the location. The purpose of these monitoring wells are to protect the Suburban Water Systems (SWS) 140 well cluster, and we therefore propose screen intervals that monitor the most permeable zones in direct correlation with the production well screens, taking into account surrounding well water quality and regional dip. The following are two proposed well screen intervals for this location.

- Proposed well screen #2: 412 to 432 feet bgs. This screened interval is up dip from the top of 140-W4, and down dip from the screened interval at MW6-26UI. A finer-grained unit is located above this zone which would separate this well from the shallower well interval (proposed well screen #3).

- Proposed well screen #1: 475 to 490 feet bgs. This screened interval is located in the thickest permeable unit below a finer-grained interval that separates the very thick permeable unit screened by well #2.

In order to assess if contamination is present at this location in the shallow zone, we propose collection of five discrete-depth samples at depths of 226, 286, 306, 355, and 375 feet bgs. These depths were selected in higher permeable zones as indicated by the e-log and are shown on the attached e-log (file "17500ELOG printable with notations2.pdf") and cross section B-B'. Pending the results of the discrete-depth samples, the need for a permanent well will be considered in consultation with USEPA.

Edgewood Academy resumes classes on August 12, 2013, which leaves us with 15 normal working days. We estimate three days to install well #1 (Monday, July 22 through Wednesday, July 24) and seven days for drilling and installation of well #2 (Thursday, July 25 through Friday, August 2). In order to collect the five discrete samples and leave sufficient time to install a third permanent well before school starts, we will need to bring the other drill rig (Rig 1) when it completes the installation of MW6-28LI on Long Lane, instead of complet~~ing~~ the second well at that location (MW6-28UI) as planned. We anticipate that Rig 1 will be available to begin drilling of a separate borehole for discrete-depth sampling on July 25 and can complete the sampling by August 2. This will require remobilization back to Long Lane the week of August 12 and an adjustment to the overall well schedule recently provided to USEPA on July 12.

Thank you,

Michele Zych
CDM Smith
(760) 710-4677

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Tuesday, July 30, 2013 4:52 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Monday, July 29, 2013 4:56 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities

- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
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- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
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- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.

- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application

- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHO'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit

- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHQ; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 30, 2013 9:59 PM
To: Lee, Don
Cc: Barquest, Bradley A; UTCHQ;Parsons, Scott;Tom Perina;Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

Don,

I was by the site today. I spoke to a few residents. But before I swung by I went by Sheriff's Station. They will be exercising discretion and not ticket the area. We set up a process for which I will follow up with you later.

The sound barriers will need to be set up. This is a residential area and they should be used. We are lucky that the home nearest the drilling is vacant.

Also, the residents appreciate the security guard but were not happy when they witnessed him throwing fast food trash in the street. Otherwise all looked fine.

Ray

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Tuesday, July 30, 2013 4:52 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A; UTCHQ; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 29, 2013 4:56 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
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- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities

- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
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- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
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- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
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- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application

- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA

- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don
Sent: Tuesday, July 23, 2013 5:54 PM
To: 'Chavira.Raymond@epamail.epa.gov'
Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee

- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott
Sent: Wednesday, July 17, 2013 3:44 PM
To: Chavira.Raymond@epamail.epa.gov; Tom Perina
Cc: Barquest, Bradley A UTCHQ; Lee, Don
Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application

- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 31, 2013 1:44 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina;Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

Thanks Ray. We spoke to the security company yesterday and they indicated they will not be littering.

Don

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From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 30, 2013 9:59 PM
To: Lee, Don
Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina; Rosa.Esquivel@CH2M.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

Don,

I was by the site today. I spoke to a few residents. But before I swung by I went by Sheriff's Station. They will be exercising discretion and not ticket the area. We set up a process for which I will follow up with you later.

The sound barriers will need to be set up. This is a residential area and they should be used. We are lucky that the home nearest the drilling is vacant.

Also, the residents appreciate the security guard but were not happy when they witnessed him throwing fast food trash in the street. Otherwise all looked fine.

Ray

From: Lee, Don [<mailto:Don.Lee@tetrattech.com>]
Sent: Tuesday, July 30, 2013 4:52 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 29, 2013 4:56 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface

- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application

- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking

- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHO; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHO; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available(estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 31, 2013 4:21 PM
To: Enriquez, Raymond;pwinspector@lapuente.org;Joshua Nelson
Cc: Bradley.Barquest@utc.com;Chavira, Raymond;Tom Perina (tom.perina@ch2m.com);Parsons, Scott;Moisseeva, Tatiana;Upendra Joshi (UJoshi@cc-eng.com)
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , August 14 - September 2, 2013 (est.)

Hello Raymond, Kev, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 14 to September 2, 2013.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 14 to September 2, 2013.

Traffic Impact: The sampling is expected to take no longer than 30 minutes at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

| MONITORING WELL | LOCATION |
|-----------------|--|
| SW-02 (MW-19) | Cadbrook Dr / Aldgate Ave, La Puente |
| VCW-02 | Clintwood Ave./ Flanner., La Puente |
| VCW-03 | Sandy Hook/ Beckner, La Puente |
| LCW-04 (MW6-18) | 14252 Amar Rd, La Puente |
| LCW-05 (MW6-19) | 14220 E Homeward St / Sandsprings Dr), La Puente |
| LCW-08 (MW-17D) | 346 N. Lang Ave near Nelson Ave , La Puente |
| LCW-10 (MW-15) | 312 Ardilla Ave, La Puente |
| MW-02 | 326 Sandia Ave, La Puente |
| MW-06 | Greenberry Dr/Flagstaff St , La Puente |
| MW-09 | 518 N. California Ave, La Puente |
| MW-11 | Greenberry Dr/Flagstaff St, La Puente |

| | |
|----------------|--|
| MW-12 | Beckner/Foxworth Ave, La Puente |
| MW-16D, 16S | 14110 Prichard St, La Puente |
| MW-17S | 346 N. Lang Ave, La Puente |
| MW-18D, 18S | On Glenshaw Ave near Temple Ave, La Puente |
| MW6-10 | 130 North Sunset Ave, La Puente |
| MW6-11 | Glenshaw Ave near Temple Ave, La Puente |
| MW6-15 | Rath St / Radway Ave, La Puente |
| MW6-16 | Giordano St / Aldgate Ave, La Puente |
| MW6-17, S-06 | Flanner St / Clintwood Ave, La Puente |
| MW6-21 | Tamar Dr / Homeward St, La Puente |
| S-05 | Orange Ave / Marland St, La Puente |
| S-07 | Giordano St / Evanwood Ave, La Puente |
| S-09 | Temple Ave / Duff Ave, La Puente |
| MP20-4,5 | Glenshaw Dr / Pritchard St, La Puente |
| VCW-06/SW-04 | On 8th Ave south of Valley Blvd, City of Industry |
| VCW-07 | On California Ave south of Valley Blvd, City of Industry |
| VCW-09/SW-05 | On Orange near Nelson, City of Industry |
| MW-01A (South) | 135-140 North Long Lane, City of Industry |
| MW-01B(North) | 135-140 North Long Lane, City of Industry |
| MW-03, S-03 | 130 North Sunset Ave, City of Industry |
| MW-04 | 14632 Valley Blvd/ 7&8 th Ave, City of Industry |
| MW-05 | Valley Blvd/ 8th Ave, City of Industry |
| MW-13 | 7th Ave south of Valley Blvd, City of Industry |
| MW-14 | 212 S 6th Ave, City of Industry |
| MW6-9, S-02A/B | On Long Lane south of Nelson Ave, City of Industry |
| MW6-35 to 37 | 14498 Proctor Ave, Industry |
| MW-D1 | Edison easement, City of Industry |
| MW-D2 | 14841 Don Julian Rd, City of Industry |
| MW-6-17i | 14841 Don Julian Rd, City of Industry |
| MW-6-44, 45 | 15020 Proctor Ave, City of Industry |
| MW6-61 to 65 | 525 Parriot Place, City of Industry |
| MW-6-71 | Edison easement, City of Industry |
| MW6-20A, 20B | Don Julian/6th Ave, City of Industry |
| SW-03 (MW6-14) | 14806 Flanner St/ Evanwood Ave, Valinda |
| VCW-01 | 14850 Giordano Street, Valinda |
| MW-08 | Temple Ave/ Duff Ave, Valinda |
| MW-10 | 14772 Lassalette St, Valinda |
| MW6-12 | 14746 Lassalette St, Valinda |
| MW6-13 | Temple Ave/ Duff Ave, Valinda |
| MW8-1 | Sauder St./ Van Wig Ave, West Puente Valley |

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 31, 2013 4:53 PM
To: Chavira, Raymond
Cc: Barquest, Bradley A UTCHQ;Parsons, Scott;Tom Perina
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 31

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.
- Hydropunch sampling attempted at 260'. Groundwater sample was collected.
- Hydropunch sampling attempted at 268.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA
- Send notification email to county sheriff and cities (to be sent by August 2)

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Tuesday, July 30, 2013 4:52 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
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- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 29, 2013 4:56 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface

- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application

- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking

- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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don.lee@tetratech.com

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHO; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available(estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 31, 2013 4:59 PM
To: Chavira, Raymond
Cc: Parsons, Scott; Moisseeva, Tatiana
Subject: FW: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , August 14 - September 2, 2013 (est.)

Ray,

FYI, we will have a traffic guard for working at VCW-07 (near 136 California Avenue) as before and will let you know at least 48 hours ahead of time.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
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From: Lee, Don
Sent: Wednesday, July 31, 2013 4:21 PM
To: Enriquez, Raymond; pwinspector@lapuente.org; Joshua Nelson
Cc: Bradley.Barquest@utc.com; Chavira.Raymond@epamail.epa.gov; Tom Perina (tom.perina@ch2m.com); Parsons, Scott; Moisseeva, Tatiana; Upendra Joshi (UJoshi@cc-eng.com)
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , August 14 - September 2, 2013 (est.)

Hello Raymond, Kev, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 14 to September 2, 2013.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 14 to September 2, 2013.

Traffic Impact: The sampling is expected to take no longer than 30 minutes at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up

at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

| MONITORING WELL | LOCATION |
|-----------------|--|
| SW-02 (MW-19) | Cadbrook Dr / Aldgate Ave, La Puente |
| VCW-02 | Clintwood Ave./ Flanner., La Puente |
| VCW-03 | Sandy Hook/ Beckner, La Puente |
| LCW-04 (MW6-18) | 14252 Amar Rd, La Puente |
| LCW-05 (MW6-19) | 14220 E Homeward St / Sandsprings Dr), La Puente |
| LCW-08 (MW-17D) | 346 N. Lang Ave near Nelson Ave , La Puente |
| LCW-10 (MW-15) | 312 Ardilla Ave, La Puente |
| MW-02 | 326 Sandia Ave, La Puente |
| MW-06 | Greenberry Dr/Flagstaff St , La Puente |
| MW-09 | 518 N. California Ave, La Puente |
| MW-11 | Greenberry Dr/Flagstaff St, La Puente |
| MW-12 | Beckner/Foxworth Ave, La Puente |
| MW-16D, 16S | 14110 Prichard St, La Puente |
| MW-17S | 346 N. Lang Ave, La Puente |
| MW-18D, 18S | On Glenshaw Ave near Temple Ave, La Puente |
| MW6-10 | 130 North Sunset Ave, La Puente |
| MW6-11 | Glenshaw Ave near Temple Ave, La Puente |
| MW6-15 | Rath St / Radway Ave, La Puente |
| MW6-16 | Giordano St / Aldgate Ave, La Puente |
| MW6-17, S-06 | Flanner St / Clintwood Ave, La Puente |
| MW6-21 | Tamar Dr / Homeward St, La Puente |
| S-05 | Orange Ave / Marland St, La Puente |
| S-07 | Giordano St / Evanwood Ave, La Puente |
| S-09 | Temple Ave / Duff Ave, La Puente |
| MP20-4,5 | Glenshaw Dr / Pritchard St, La Puente |
| VCW-06/SW-04 | On 8th Ave south of Valley Blvd, City of Industry |
| VCW-07 | On California Ave south of Valley Blvd, City of Industry |
| VCW-09/SW-05 | On Orange near Nelson, City of Industry |
| MW-01A (South) | 135-140 North Long Lane, City of Industry |
| MW-01B(North) | 135-140 North Long Lane, City of Industry |
| MW-03, S-03 | 130 North Sunset Ave, City of Industry |
| MW-04 | 14632 Valley Blvd/ 7&8 th Ave, City of Industry |
| MW-05 | Valley Blvd/ 8th Ave, City of Industry |
| MW-13 | 7th Ave south of Valley Blvd, City of Industry |
| MW-14 | 212 S 6th Ave, City of Industry |

| | |
|----------------|--|
| MW6-9, S-02A/B | On Long Lane south of Nelson Ave, City of Industry |
| MW6-35 to 37 | 14498 Proctor Ave, Industry |
| MW-D1 | Edison easement, City of Industry |
| MW-D2 | 14841 Don Julian Rd, City of Industry |
| MW-6-17i | 14841 Don Julian Rd, City of Industry |
| MW-6-44, 45 | 15020 Proctor Ave, City of Industry |
| MW6-61 to 65 | 525 Parriot Place, City of Industry |
| MW-6-71 | Edison easement, City of Industry |
| MW6-20A, 20B | Don Julian/6th Ave, City of Industry |
| SW-03 (MW6-14) | 14806 Flanner St/ Evanwood Ave, Valinda |
| VCW-01 | 14850 Giordano Street, Valinda |
| MW-08 | Temple Ave/ Duff Ave, Valinda |
| MW-10 | 14772 Lassalette St, Valinda |
| MW6-12 | 14746 Lassalette St, Valinda |
| MW6-13 | Temple Ave/ Duff Ave, Valinda |
| MW8-1 | Sauder St./ Van Wig Ave, West Puente Valley |

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, July 31, 2013 5:03 PM
To: Enriquez, Raymond; pwinspector@lapuente.org
Cc: Bradley.Barquest@utc.com; Chavira, Raymond; Parsons, Scott; Tom Perina (tom.perina@ch2m.com); Moisseeva, Tatiana
Subject: NOTIFICATION - Monitoring well (MW8-2) drilling and sampling on Homeward Street between Millbury and Van Wig Avenues, West Puente Valley, approx. August 19 - September 12 (est.)

Hello Raymond and Kev,

Please be advised that Tetra Tech will be drilling and sampling one new groundwater monitoring well (MW8-2) on Homeward Street adjacent to 745 Van Wig Avenue (between Millbury and Van Wig Avenues) in West Puente Valley.

Work Description: Drilling and collecting samples from one new monitoring well (MW8-2).

Where: Work will be conducted on parking lane on the south side of Homeward Street between Millbury and Van Wig Avenues, West Puente Valley. Temporary traffic control signs will be set up to allow through traffic. None of the roads or driveways will be blocked.

When: Approximately from August 19 to September 12, 2013 (estimated).

Traffic Impact: Traffic volume is low on Homeward Street and traffic impact is expected to be minimal at this location. Local street parking will be restricted.

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.351.2192 | Fax: 949.809.5010

don.lee@tetrattech.com

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Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Wednesday, July 31, 2013 7:20 PM
To: Don.Lee@tetrattech.com;Chavira, Raymond
Cc: Bradley.Barquest@utc.com;Scott.Parsons@tetrattech.com
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 31

Hi Don,

When do you estimate you may be sending the complete data package for MW8-1? I am asking just to plan for review.

Tom

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Wednesday, July 31, 2013 4:53 PM
To: Chavira.Raymond@epamail.epa.gov
Cc: Barquest, Bradley A UTCHQ; Parsons, Scott; Perina, Tom/RIV
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 31

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.
- Hydropunch sampling attempted at 260'. Groundwater sample was collected.
- Hydropunch sampling attempted at 268.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA
- Send notification email to county sheriff and cities (to be sent by August 2)

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

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From: Lee, Don
Sent: Tuesday, July 30, 2013 4:52 PM
To: 'Chavira.Raymond@epamail.epa.gov'
Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'
Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 30

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 229.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 239'. Groundwater sample was collected.
- Hydropunch sampling attempted at 250'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

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From: Lee, Don

Sent: Monday, July 29, 2013 4:56 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 29

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number

- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.
- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.
- Hydropunch sampling attempted at 199'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 205'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 210'. Groundwater sample was collected.
- Hydropunch sampling attempted at 219.5'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start

- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

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From: Lee, Don

Sent: Friday, July 26, 2013 4:35 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 26

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

- Hydropunch sampling attempted at 170'. Groundwater sample was collected.
- Hydropunch sampling attempted at 180'. Groundwater sample was collected.
- Hydropunch sampling attempted at 190'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request
- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

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From: Lee, Don

Sent: Thursday, July 25, 2013 4:42 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 25

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.
- Hydropunch sampling attempted at 142'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 145'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 150'. Groundwater sample was collected.
- Hydropunch sampling attempted at 160'. Groundwater sample was collected.

Upcoming Activities:

- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request
- Received well permit
- Submitted LA County Department of Public Works road permit application

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit road permit fee (pending receipt of permit fee assessment)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

- Received well permit

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

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From: Lee, Don

Sent: Wednesday, July 24, 2013 6:27 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 24

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 116'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.
- Hydropunch sampling attempted at 119'. Groundwater sample was collected.
- Hydropunch sampling attempted at 128.5'. Groundwater sample was collected.
- Hydropunch sampling attempted at 139'. Dry, no groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application

- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Lee, Don

Sent: Tuesday, July 23, 2013 5:54 PM

To: 'Chavira.Raymond@epamail.epa.gov'

Cc: 'Barquest, Bradley A UTCHQ'; Parsons, Scott; 'Tom Perina'

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 23

MW 8-1 (Sauder Street) Update

Completed Activities:

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knifed to approximately 10 feet below ground surface
- Set up drilling rig, waste bins, and drilled to 110'.
- Hydropunch sampling attempted at 113'. Gravelly soil. Drilling mud was observed inside Hydropunch sampler. No groundwater sample was collected.

Upcoming Activities:

- Drill additional 3' and attempt Hydropunch sampling.
- Continue drilling and Hydropunch sampling at approximately 10' intervals.

MW 8-2 (Homeward Street) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update**Completed Activities:**

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

Please call if there are any questions.

Don

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From: Lee, Don

Sent: Monday, July 22, 2013 9:41 PM

To: Chavira.Raymond@epamail.epa.gov

Cc: Barquest, Bradley A UTCHO; Parsons, Scott; Tom Perina

Subject: RE: MW 8-1, MW 8-2, and MW 8-3 Update - July 22

MW 8-1 (Sauder Street) Update**Completed Activities:**

- Received LA County Department of Public Health well permit
- Received LA County Department of Public Works road permit number
- Geophysical survey for subsurface utilities
- Underground Service Alert subsurface utility survey and marking
- Community involvement flyer distribution by USEPA
- Picked up LA County Department of Public Works road permit
- Air knife to approximately 10 feet below ground surface

Upcoming Activities:

- Set up drilling rig, waste bins, and begin drilling

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for a September start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

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From: Parsons, Scott

Sent: Wednesday, July 17, 2013 3:44 PM

To: Chavira.Raymond@epamail.epa.gov; Tom Perina

Cc: Barquest, Bradley A UTCHO; Lee, Don

Subject: MW 8-1, MW 8-2, and MW 8-3 Update

MW 8-1 (Sauder Street) Update

Completed Activities:

- LA County Department of Public Health well permit received
- LA County Department of Public Works permit number received
- Geophysical survey for subsurface utilities completed
- Underground Service Alert completed its subsurface utility survey and marking
- Community involvement flyer distributed by USEPA
- Called DPW Monday, Tuesday, and Wednesday to request hard copy of permit
- Retained driller and tentatively scheduled them for a July 22 start (pending receipt of road permit)

Upcoming Activities:

- Drive to LA County Baldwin Park field office to pick up hard copy of road permit when available (estimated completion date July 15)
- Mobilization, air knifing, and field work (July 22 pending receipt of permits)

MW 8-2 (Homeward Street) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA

MW 8-3 (N. Siesta Avenue) Update

Completed Activities:

- Submitted LA County Department of Public Health well permit application
- Prepared LA County Department of Public Works road permit application
- Tentatively scheduled driller for an August 26 start
- Prepared access plan per USEPA request (see attached)

Upcoming Activities:

- Underground Service Alert subsurface utility survey marking
- Geophysical survey for subsurface utilities
- Submit LA County Department of Public Health well permit application and fee
- Submit LA County Department of Public Works road permit application and fee (pending receipt of well permit)
- Community involvement flyer distribution by USEPA